

SEQ ID NO: 1

CCAGAAGGTA ATTATCCAAG ATGTAGCATC AAGAATCCAA TGTTTACGGG AAAA ACTATG  
GAAGTATTAT GTGAGCTCAG CAAGAAGCAG ATCAATATGC GGCACATATG CAACCTATGT  
TCAAAAATGA AGAATGTACA GATACAAGAT CCTATACTGC CAGAATACGA AGAAGAATAC  
GTAGAAATTG AAAAAGAAGA ACCAGGCGAA GAAAAGAATC TTGAAGACGT AAGCACTGAC  
GACAACAATG AAAAGAAGAA GATAAGGTCG GTGATTGTGA AAGAGACATA GAGGACACAT  
GTAAGGTGGA AAATGTAAGG GCGGAAAGTA ACCTTATCAC AAAGGAATCT TATCCCCCAC  
TACTTATCCT TTTATATTTT TCCGTGTCAT TTTTGCCCTT GAGTTTTCTT ATATAAGGAA  
CCAAGTTCGG CATTGTGAA <sup>+1</sup>→ AACAAGAAA AATTGGTGT AAGCTATTTT CTTTGAAGTA  
CTGAGGATAC AAGTTCAGAG AAATTTGTAA GTTTG

Fig. 1

Fig. 2A

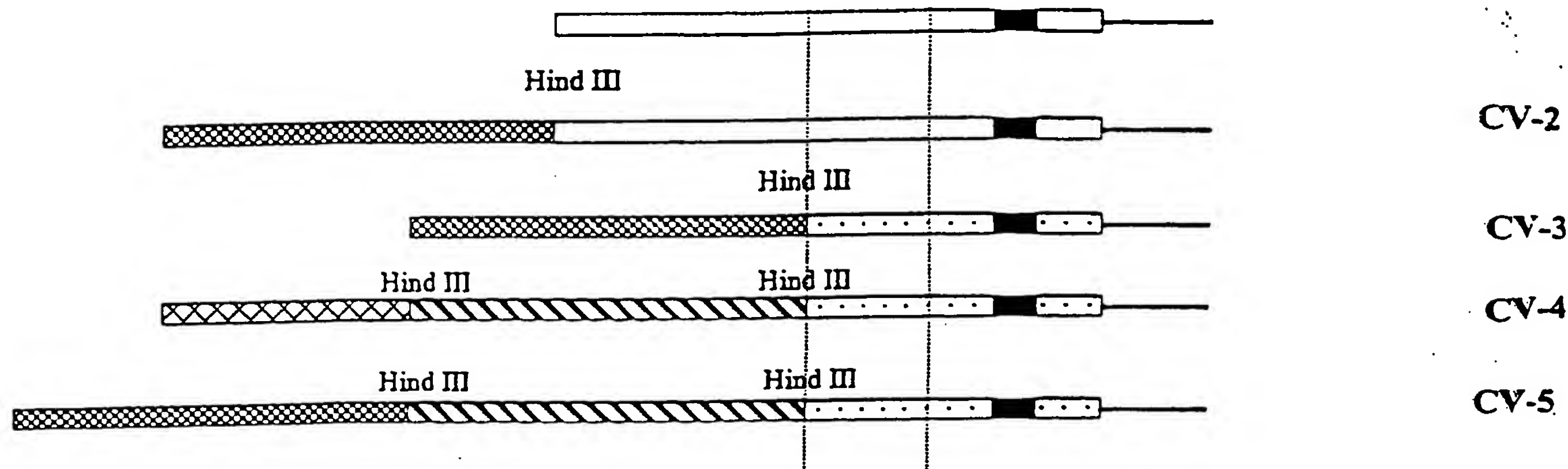


Fig. 2B

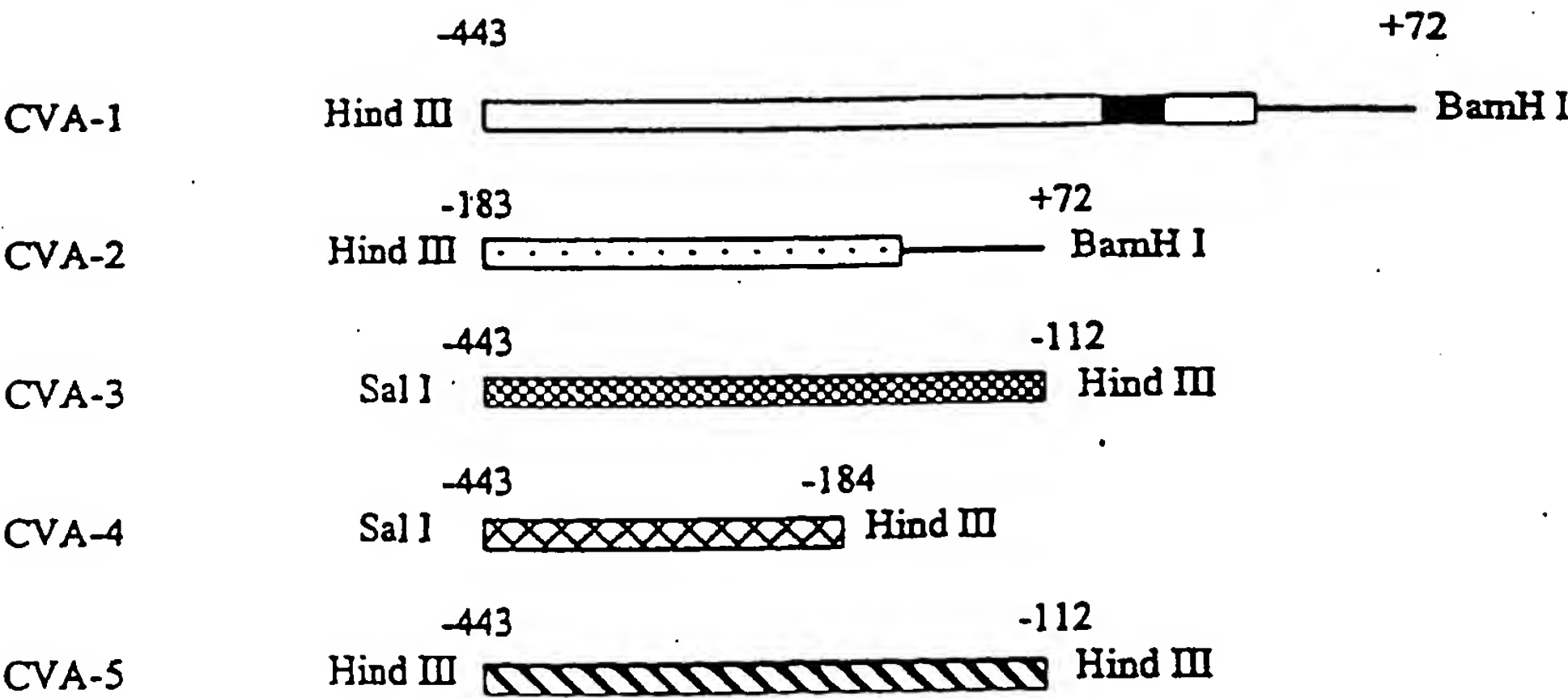
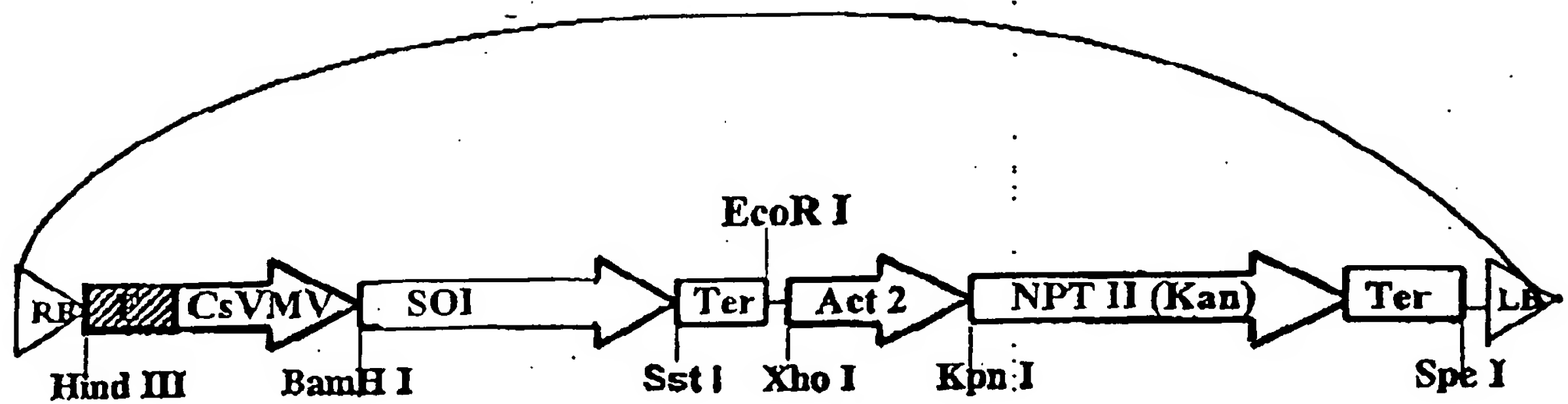


Fig. 3



CV-2 (SEQ ID NO: 2)

CCAGAAGGTA ATTATCCAAG ATGTAGCATC AAGAATCCAA TGTTTACGGG AAAA ACTATG  
GAAGTATTAT GTGAGCTCAG CAAGAAGCAG ATCAATATGC GGCACATATG CAACCTATGT  
TCAAAAATGA AGAATGTACA GATACAAGAT CCTATACTGC CAGAATACGA AGAAGAATAC  
GTAGAAATTG AAAAAGAAGA ACCAGGCGAA GAAAAGAATC TTGAAGACGT AAGCACTGAC  
GACAACAATG AAAAGAAGAA GATAAGGTCG GTGATTGTGA AAGAGACATA GAGGACACAT  
GTAAGGTGGA AAATGTAAGG GCGGAAAGTA ACAAGCTTCC AGAAGGTAAT TATCCAAGAT  
GTAGCATCAA GAATCCAATG TTTACGGGAA AACTATGGA AGTATTATGT GAGCTCAGCA  
AGAAGCAGAT CAATATGCGG CACATATGCA ACCTATGTTC AAAAATGAAG AATGTACAGA  
TACAAGATCC TATACTGCCA GAATACGAAG AAGAATACGT AGAAATTGAA AAAGAAGAAC  
CAGGCGAAGA AAAGAATCTT GAAGACGTAA GCACTGACGA CAACAATGAA AAGAAGAAGA  
TAAGGTCGGT GATTGTGAAA GAGACATAGA GGACACATGT AAGGTGGAAA ATGTAAGGGC  
GGAAAGTAAC CTTATCACAA AGGAATCTTA TCCCCACTA CTTATCCTTT TATATTTTTC  
CGTGTCATTT TTGCCCTTGA GTTTTCCTAT ATAAGGAACC AAGTTCGGCA TTTGTGAAAA  
CAAGAAAAAA TTTGGTGTAA GCTATTTTCT TTGAAGTACT GAGGATACAA GTTCAGAGAA  
ATTTGTAAGT TTG

Fig. 4A

CV-3 (SEQ ID NO: 3)

CCAGAAGGTA ATTATCCAAG ATGTAGCATC AAGAATCCAA TGTTTACGGG AAAA ACTATG  
GAAGTATTAT GTGAGCTCAG CAAGAAGCAG ATCAATATGC GGCACATATG CAACCTATGT  
TCAAAAATGA AGAATGTACA GATACAAGAT CCTATACTGC CAGAATACGA AGAAGAATAC  
GTAGAAATTG AAAAAGAAGA ACCAGGCGAA GAAAAGAATC TTGAAGACGT AAGCACTGAC  
GACAACAATG AAAAGAAGAA GATAAGGTCG GTGATTGTGA AAGAGACATA GAGGACACAT  
GTAAGGTGGA AAATGTAAGG GCGGAAAGTA ACAAGCTTGA TAAGGTCGGT GATTGTGAAA  
GAGACATAGA GGACACATGT AAGGTGGAAA ATGTAAGGGC GGAAAGTAAC CTTATCACAA  
AGGAATCTTA TCCCCACTA CTTATCCTTT TATATTTTTC CGTGTCATTT TTGCCCTTGA  
GTTTTCCTAT ATAAGGAACC AAGTTCGGCA TTTGTGAAAA CAAGAAAAAA TTTGGTGTAA  
GCTATTTTCT TTGAAGTACT GAGGATACAA CTTCAGAGAA ATTTGTAAGT TTG

Fig. 4B

CV-4 (SEQ ID NO: 4)

```

CCAGAAGGTA ATTATCCAAG ATGTAGCATC AAGAATCCAA TGTTTACGGG AAAA ACTATG
GAAGTATTAT GTGAGCTCAG CAAGAAGCAG ATCAATATGC GGCACATATG CAACCTATGT
TCAAAAATGA AGAATGTACA GATACAAGAT CCTATACTGC CAGAATACGA AGAAGAATAC
GTAGAAATTG AAAAAGAAGA ACCAGGCGAA GAAAAGAATC TTGAAGACGT AAGCACTGAC
GACAACAATG AAAAGAAGAA GCTTCCAGAA GGTAATTATC CAAGATGTAG CATCAAGAAT
CCAATGTTTA CGGGAAAAAC TATGGAAGTA TTATGTGAGC TCAGCAAGAA GCAGATCAAT
ATGCGGCACA TATGCAACCT ATGTTCAAAA ATGAAGAATG TACAGATACA AGATCCTATA
CTGCCAGAAT ACGAAGAAGA ATACGTAGAA ATTGAAAAAG AAGAACCAGG CGAAGAAAAG
AATCTTGAAG ACGTAAGCAC TGACGACAAC AATGAAAAGA AGAAGATAAG GTCGGTGATT
GTGAAAGAGA CATAGAGGAC ACATGTAAGG TGGAAAATGT AAGGGCGGAA AGTAACAAGC
TTGATAAGGT CGGTGATTGT GAAAGAGACA TAGAGGACAC ATGTAAGGTG GAAAATGTAA
GGGCGGAAAG TAACCTTATC ACAAAGGAAT CTTATCCCCC ACTACTTATC CTTTATATT
TTTCCGTGTC ATTTTGGCCC TTGAGTTTTC CTATATAAGG AACCAAGTTC GGCATTTGTG
AAAACAAGAA AAAATTTGGT GTAAGCTATT TTCTTTGAAG TACTGAGGAT ACAACTTCAG
AGAAATTTGT AAGTTTG

```

Fig. 4C

CV-5 (SEQ ID NO :5)

```

CCAGAAGGTA ATTATCCAAG ATGTAGCATC AAGAATCCAA TGTTTACGGG AAAA ACTATG
GAAGTATTAT GTGAGCTCAG CAAGAAGCAG ATCAATATGC GGCACATATG CAACCTATGT
TCAAAAATGA AGAATGTACA GATACAAGAT CCTATACTGC CAGAATACGA AGAAGAATAC
GTAGAAATTG AAAAAGAAGA ACCAGGCGAA GAAAAGAATC TTGAAGACGT AAGCACTGAC
GACAACAATG AAAAGAAGAA GATAAGGTCG GTGATTGTGA AAGAGACATA GAGGACACAT
GTAAGGTGGA AAATGTAAGG GCGGAAAGTA ACAAGCTTCC AGAAGGTAAT TATCCAAGAT
GTAGCATCAA GAATCCAATG TTTACGGGAA AA ACTATGGA AGTATTATGT GAGCTCAGCA
AGAAGCAGAT CAATATGCGG CACATATGCA ACCTATGTTC AAAAATGAAG AATGTACAGA
TACAAGATCC TATACTGCCA GAATACGAAG AAGAATACGT AGAAATTGAA AAAGAAGAAC
CAGGCGAAGA AAAGAATCTT GAAGACGTAA GCACTGACGA CAACAATGAA AAGAAGAAGA
TAAGGTCGGT GATTGTGAAA GAGACATAGA GGACACATGT AAGGTGGAAA ATGTAAGGGC
GGAAAGTAAC AAGCTTGATA AGGTCGGTGA TTGTGAAAGA GACATAGAGG ACACATGTAA
GGTGGA AAAT GTAAGGGCGG AAAGTAACCT TATCACAAAG GAATCTTATC CCCC ACTACT
TATCCTTTTA TATTTTCCG TGTCATTTT GCCCTTGAGT TTTCCTATAT AAGGAACCAA
GTTCCGGCATT TGTGAAAACA AGAAAAAATT TGGTGTAAGC TATTTTCTTT GAAGTACTGA
GGATACA ACT TCAGAGAAAT TTGTAAGTTT G

```

Fig. 4D

CV-6 (SEQ ID NO: 6)

```
CCAGAAGGTA ATTATCCAAG ATGTAGCATC AAGAATCCAA TGTTTACGGG AAAA ACTATG
GAAGTATTAT GTGAGCTCAG CAAGAAGCAG ATCAATATGC GGCACATATG CAACCTATGT
TCAAAAATGA AGAATGTACA GATACAAGAT CCTATACTGC CAGAATACGA AGAAGAATAC
GTAGAAATTG AAAAAGAAGA ACCAGGCGAA GAAAAGAATC TTGAAGACGT AAGCACTGAC
GACAACAATG AAAAGAAGAA GATAAGGTCG GTGATTGTGA AAGAGACATA GAGGACACAT
GTAAGGTGGA AAATGTAAGG GCGGAAAGTA ACAAGCTTGT TACTTTCCGC CCTTACATTT
TCCACCTTAC ATGTGTCCTC TATGTCTCTT TCACAATCAC CGACCTTATC TTCTTCTTTT
CATTGTTGTC GTCAGTGCTT ACGTCTTCAA GATTCTTTTC TTCGCCTGGT TCTTCTTTTT
CAATTTCTAC GTATTCTTCT TCGTATTCTG GCAGTATAGG ATCTTGTATC TGTACATTTCT
TCATTTTTGA ACATAGGTTG CATATGTGCC GCATATTGAT CTGCTTCTTG CTGAGCTCAC
ATAATACTTC CATAGTTTTT CCCGTAAACA TTGGATTCTT GATGCTACAT CTTGGATAAT
TACCTTCTGG AAGCTTGATA AGGTCGGTGA TTGTGAAAGA GACATAGAGG ACACATGTAA
GGTGGAAAAT GTAAGGGCGG AAAGTAACCT TATCACAAAG GAATCTTATC CCCCACTACT
TATCCTTTTA TATTTTCCG TGTCATTTTT GCCCTTGAGT TTTCCTATAT AAGGAACCAA
GTTCGGCATT TGTGAAAACA AGAAAAAATT TGGTGTAAGC TATTTTCTTT GAAGTACTGA
GGATACAAC T CAGAGAAAT TTGTAAGTTT G
```

Fig. 4E

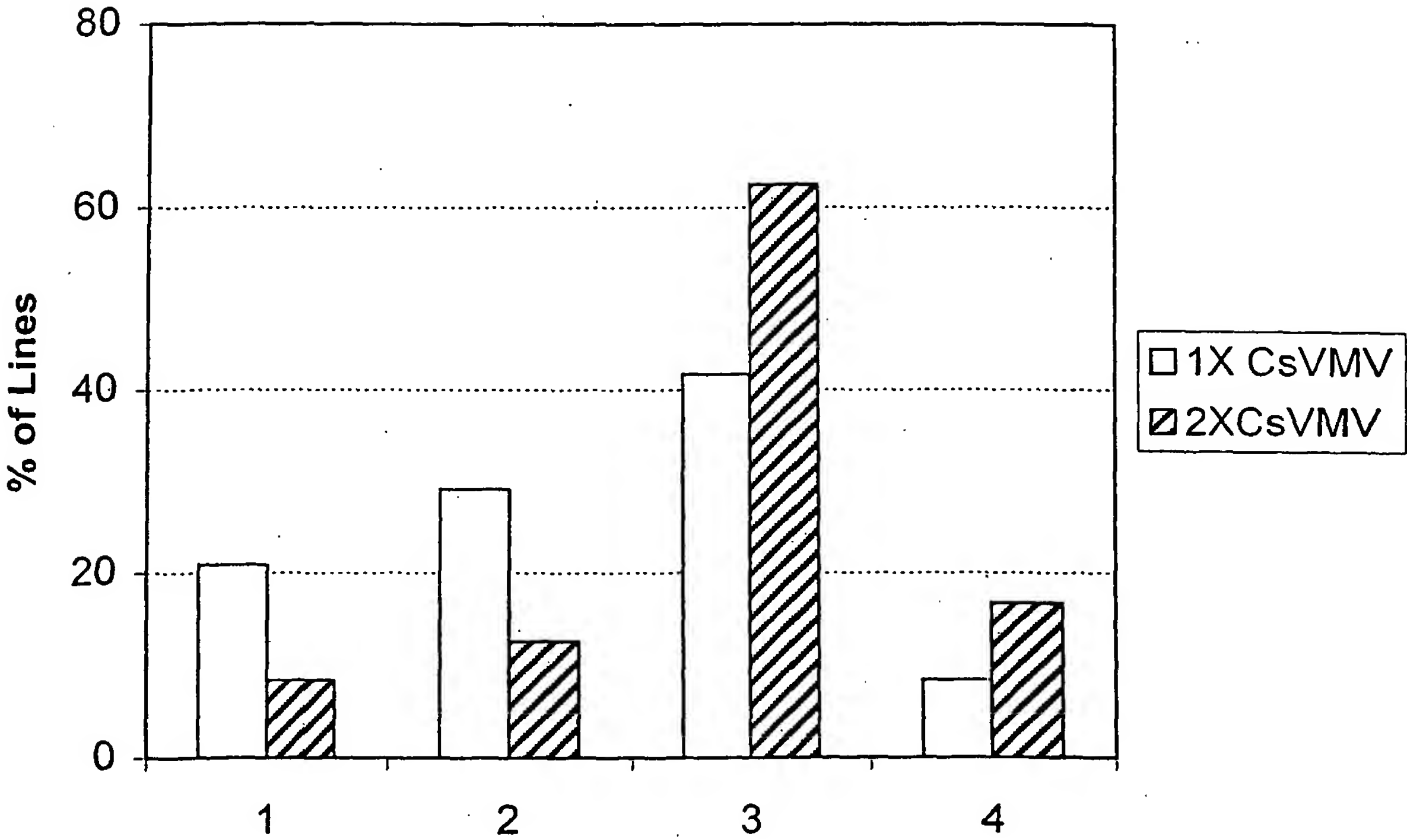


Fig. 5

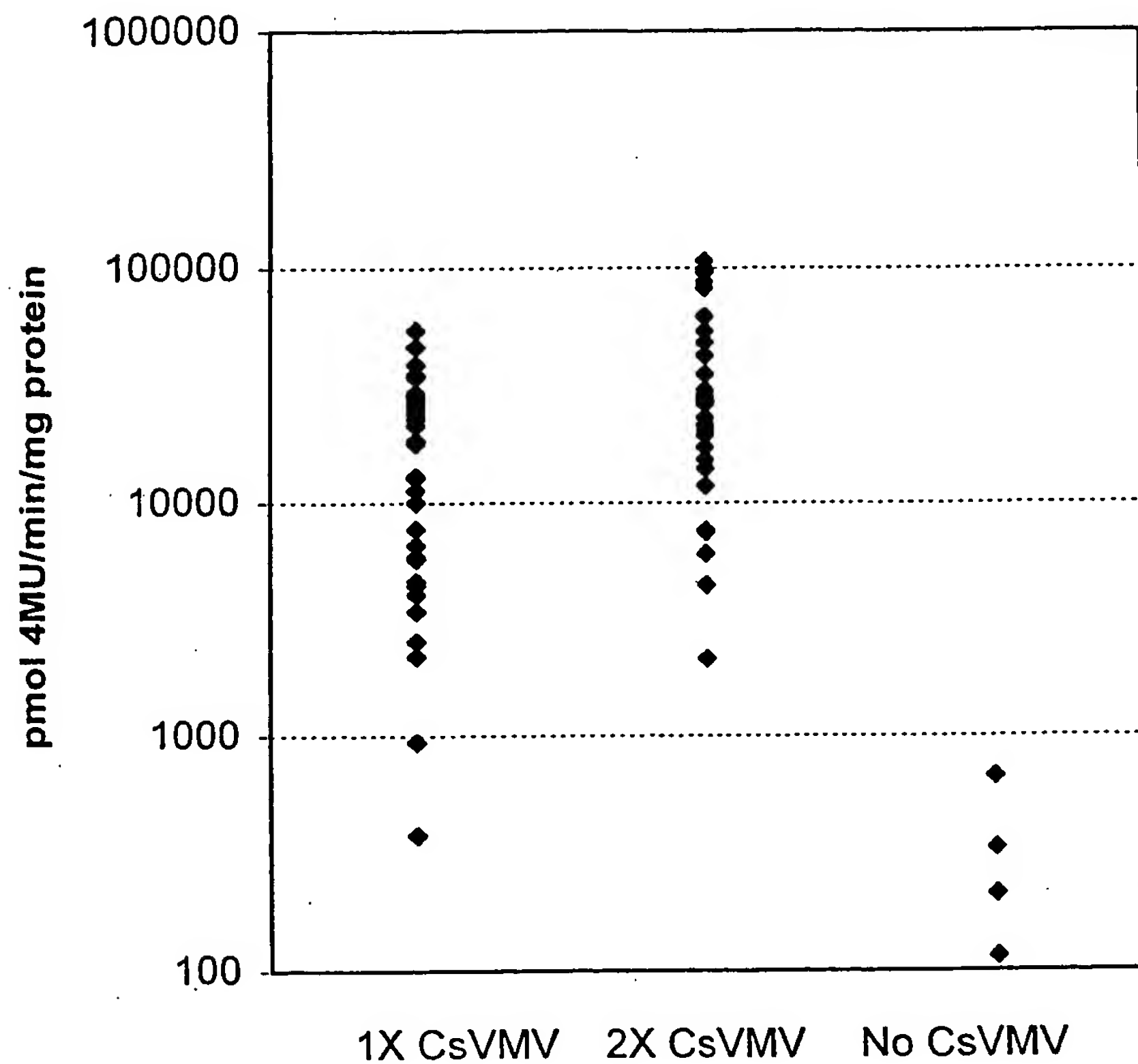
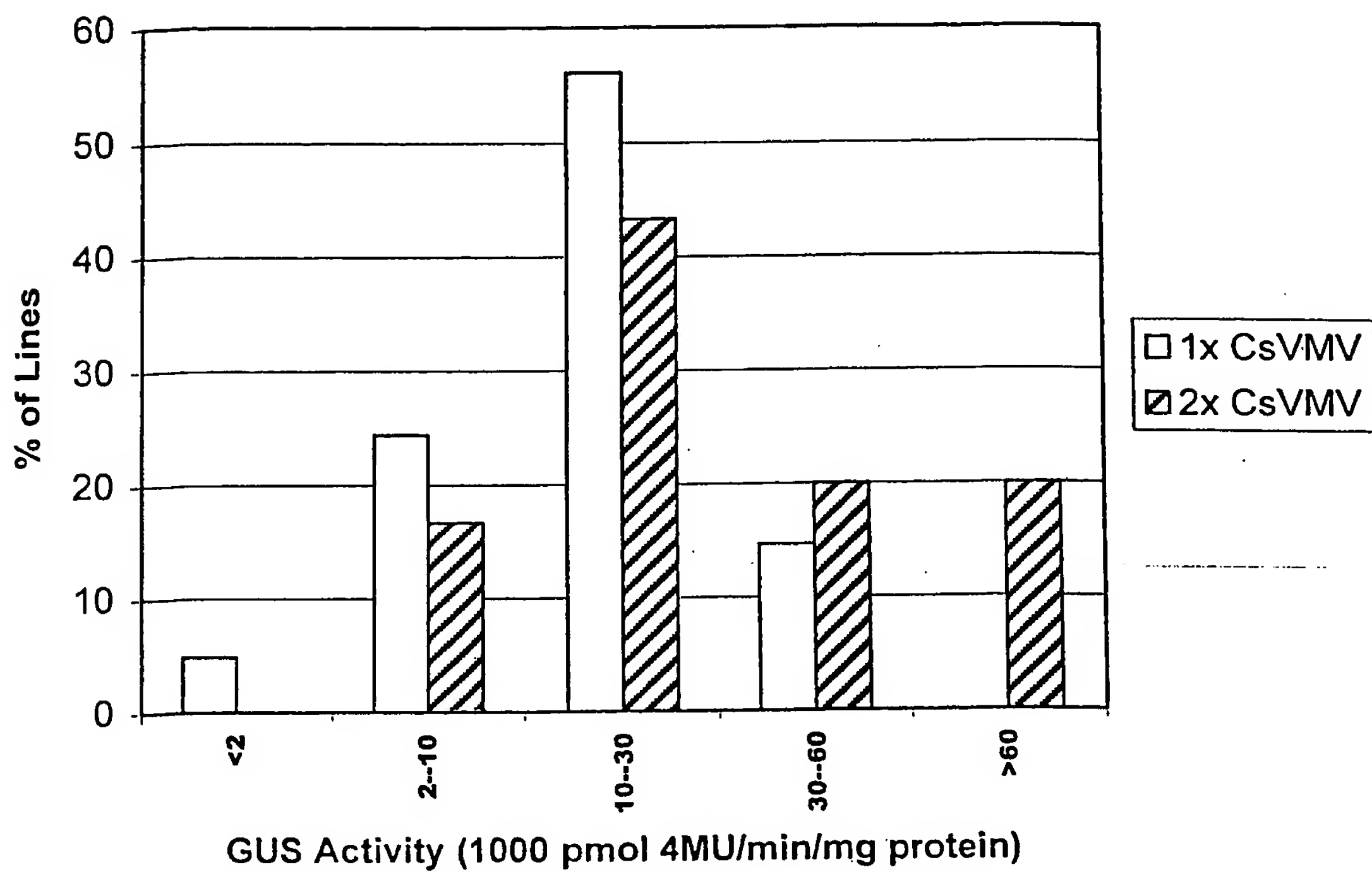


Fig. 6





**Fig. 7**